

PHILOSOPHICAL TRANSACTIONS.

Monday, Decemb. 4. 1665.

The Contents.

Monsieur de Sons progress in working Parabolar Glasses. Some speculations of Monsieur Auzout concerning the changes, likely to be discovered in the Moon. The instance of the same Person to Mr. Hook, for communicating his Contrivance of making with Glasses of a few feet Diameter, Telescopes drawing several hundred feet; together with his Offer of recompensing that secret with another, which teaches, How to measure with a Telescope the Distances of Objects upon the Earth. The Experiment of Kircher, of preparing a Liquor, that shall sink into, and colour the whole Body of Marble, delivered at length. An Intimation of a Way found in Europe, to make good China-Dishes. An Account of an odd Spring in Westphalia, together with an Information touching Salt-Springs; and a way of straining Salt-water. Of the Rise and Attempts of a way to convey Liquors immediately into the Mass of Blood.

Of Monsieur de Sons Progress in working Parabolar Glasses.

Since what was mentioned in the immediately precedent *Stræ*, touching Monsieur de Son's noble attempt of grinding Glasses of a *Parabolical* Figure, the *Publisher* of these *Papers* hath himself seen two *Eye-glasses* of that shape, about one inch & a half deep, and one inch and a quarter broad, wrought by this *Eminent Artist* with a rare *Steel-instrument* of his own contrivance and workmanship, and by himself also polished to admiration. And certainly it will be wondred at by those,

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who shall see these Glasses, how they could be truly wrought to such a Figure, with such a Cavity; & yet more, when they shall hear the Author undertake to excavate other such *Eye-Glasses* to above two inches, and *Object-glasses* of five inches *Diameter*. He hath likewise already begun his *Object-glasses* for the mentioned two *Ocular* ones, of the same Figure of about two inches *Diameter*, which are to be left all open, yet without causing any colours. Of all which 'tis hop'd, that shortly a fuller and more particular accompt will be given.

Monsieur Auzout's Speculations of the Changes, likely to be discovered in the Earth and Moon, by their respective Inhabitants.

This Inquisitive *Philosopher* in a letter of his, lately written to his correspondent in *London*, takes occasion to discourse of his considerations concerning those Changes, mentioned in the *Title*, as followes;

I have (saith he) sometimes thought upon the *Changes*, which 'tis likely, the supposed Inhabitants of the *Moon* might discover in our *Earth*, to see, whither reciprocally I could observe any such in the *Moon*. For example, methinks, that the *Earth* would to the people of the *Moon* appear to have a different face in the several seasons of the year; and to have another appearance in *Winter*, when there is almost nothing green in a very great part of the *Earth*; when there are Countries all covered with snow, others, all covered with water, others, all obscured with Clouds, and that for many weeks together: Another in *Spring*, when the Forrests and Fields are green. Another in *Summer*, when whole Fields are yellow &c. Me thinks, I say, that these changes are considerable enough in the force of the reflexions of Light to be observed, since we see so many differences of Lights in the *Moon*. We have *Rivers* considerable enough to be seen, and they enter far enough
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